

ABSTRACT

An ac generator for a vehicle includes a rotor for providing a magnetic field, a stator having a stator core in which a plurality of phase-windings is mounted to generate electromotive force when the magnetic field is supplied, a rectifying unit which includes positive electrode side rectifying elements and negative electrode side rectifying elements respectively connected to the plurality of phase-windings. One of the positive electrode side rectifying element and negative electrode side rectifying element that is connected to a portion of the phase-windings is constituted of a single element and the remainders are constituted of parallelly connected two elements.